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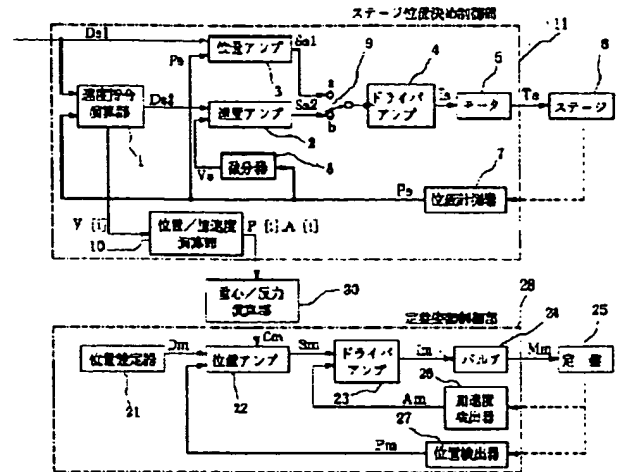
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TITLE : POSITIONING CONTROL EQUIPMENT  
OF MOVABLE BODY, ATTITUDE  
CONTROL EQUIPMENT OF SURFACE  
PLATE, AND SEMICONDUCTOR  
ALIGNER USING THE SAME



ABSTRACT : PURPOSE: To reduce the positioning time of a movable body, and improve positioning precision, by installing a position/acceleration forming means which forms centroid position moving information and reaction force information of the movable body according to a velocity command value, and outputs the information to an attitude control equipment of a surface plate mounting the movable body.

CONSTITUTION: When a moving target position Ds1 is given to a stage positioning control equipment, a velocity command arithmetic part 1 obtains the position deviation between the target position Ds1 and the present position obtained by a position measuring apparatus 7, i.e., the driving amount of a stage 6. When the obtained driving amount is sufficiently large, a velocity command string Vs expressed by the form of time series is further formed, and sequentially outputted as velocity commands Ds2=Vs, at constant time intervals of  $\Delta t$ . A position/acceleration arithmetic part 10 forms position information P and acceleration information A from the velocity command string Vs, and transfers the information P and the information A to an attitude control equipment 28 of a surface plate.

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